



CROP SHIELD™

3 - 4.5 - 2

GUARANTEED ANALYSIS

Total Nitrogen (N).....3.0%
 1.1% Ammoniacal Nitrogen
 1.9% Urea Nitrogen
Available Phosphoric Acid (P₂O₅)....4.5%
Soluble Potash (K₂O).....2.0%
Cobalt (Co)0.003%
Copper (Cu)0.05%
 0.05% Chelated Copper

Iron (Fe)0.1%
 0.1% Chelated Iron
Manganese (Mn) 0.1%
 0.1% Chelated Manganese
Molybdenum (Mo)0.0005%
Zinc (Zn)0.05%
 0.05% Chelated Zinc

GENERAL INFORMATION

CROP SHIELD™ contains light-refracting nano particles of macro and micro nutrients such as nitrogen, phosphorus, potash, zinc, iron, manganese, copper, cobalt, and molybdenum. This combination will feed the plant necessary nutrients and help protect it from the heat and frost stress. It can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. CROP SHIELD™ is intended to be a supplement to a fertility program. Always monitor crop nutrient needs and responses with a soil, leaf tissue and irrigation water analysis program.

PRECAUTIONS

AGITATE WELL BEFORE USE. NOT FOR USE IN ORGANIC CROP AND ORGANIC FOOD PRODUCTION.

COMPATIBILITY

This product has a near neutral pH and is compatible with many commonly applied nutrients and crop protection products. Contact an Ultra Gro, LLC representative for a list of compatible mixes. Jar test for compatibility prior to mixing with any pesticides, fertilizers or fertilizer blends. For unfamiliar mixes, an appropriate amount of the final mix should be applied to a small area of the intended crop to ensure plant compatibility prior to the planned application. User assumes full responsibility to ensure product, equipment and plant compatibilities.

STORAGE AND SHELF LIFE

Store in a sealed container in a cool dry place, out of direct sunlight. Store at temperatures above 32°F and below 95°F. Use within 36 hours of mixing. Re-seal container after each use.

DIRECTIONS FOR USE

SOIL APPLICATIONS

Soil applications may be made through fertigation (sprinklers, microsprinklers, drip, flood or furrow) or sprayed/injected in a band or in transplant solution. When applying this material via a fertigation system, continue to operate the system 30-60 minutes after material has completely injected to flush clean water through the system.

FOLIAR APPLICATIONS

CROP SHIELD™ is a concentrated solution and should be diluted with water before use to ensure uniform coverage. Do not apply this product foliar in concentrations greater than 15%. For maximum results, apply in the early morning or in the evening when air temperatures are optimum for foliar application. Do not apply CROP SHIELD™ during the hottest time of the day or to plants under drought or flood stress. DO NOT apply this product when the crop is under water stress. Application after irrigation or rainfall is best. Spraying should be carried out on a calm day but not during strong sunshine. Early morning or late afternoon applications are best. If rainfall occurs within 2 hours after application, it may be necessary to re-spray in 3 to 4 days.

AERIAL APPLICATIONS

Apply CROP SHIELD™ with at least 10 gallons of water per acre.

SUGGESTED APPLICATION RATES & TIMINGS

Recommended but not limited to the following crops:

CROP	APPLICATION METHOD	RATE/ACRE	RECOMMENDATIONS AND TIMINGS
VEGETABLE CROPS Including Beans, Peas, Potatoes, Sweet Corn, Tomatoes, etc. FIELD CROPS Including Corn, Dry Beans, Sorghum, Sugarbeets, Sugar Cane, Cotton, etc. TREES AND VINES Including Almond, Apple, Apricot, Avocado, Berry, Cherry, Citrus, Grape, Olive, Pear, Peach, Pistachio, Plum, Walnut, etc.	Foliar	2 to 6 quarts with a minimum of 12.5 gallons of water per acre	Apply when temperature exceeds 95 degrees. Reapply every 28 days until temperatures drop consistently below 95 degrees.
	Aerial	1 gallons with at least 10 gallons of water per acre	When Crop is Dormant: apply when crops are not achieving adequate chill hours or chill portions. Repeat every 28 days as needed.
COMMERCIAL ORNAMENTAL SHRUBS & TREES Including Azaleas, Gardenias, Junipers, Pines, Roses, etc.	Foliar	1.5 to 4.5 oz per 1,000 square feet in a minimum of 1 gallon of water	Apply when temperature exceeds 95 degrees. Reapply every 28 days until temperatures drop consistently below 95 degrees. When Crop is Dormant: apply when crops are not achieving adequate chill hours or chill portions. Repeat every 28 days as needed.

This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

LIMITED WARRANTY Manufacturer or seller makes no warranty, whether expressed or implied, concerning the use of this product other than for the purposes indicated on the label. Neither manufacturer nor seller shall be liable for any injury or damage caused by this product due to misuse, mishandling, or any application not specifically described on the label.

Always refer to the label on the actual product container before using any Ultra Gro, LLC Products.

CROP SHIELD™ is a trademark product of Ultra Gro, LLC, Madera, CA. STATES: CA, AZ REV: 022525

Information regarding the contents and levels of metals in this product is available at <http://www.aaplco.org/metals.html>

CAUTION: This material contains Molybdenum. Application of fertilizers containing Molybdenum may result in forage crops that contain levels of molybdenum that are toxic to ruminant animals.



WARNING This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. www.P65Warnings.ca.gov.

Guaranteed by:
Ultra Gro, LLC
 1043 S. Granada Drive
 Madera, CA 93637 (559) 661-0977

NET CONTENTS:

- 5 gallons (18.93 liters)
- 250 gallons (946 liters)

Bulk: _____ gallons, _____ liters

DENSITY: 9.40 pounds per gallon @ 68°F



ULTRA GRO
 Ag is Life™